

## ABSTRACT

The present invention relates to a lipid-based drug delivery system for administration of a lysolipid derivative present in prodrug form, said prodrug furthermore being a substrate for  
5 extracellular phospholipase A2 to the extent that an organic radical can be hydrolytically cleaved off, whereas the aliphatic group of the lysolipid derivative remains substantially unaffected, said system having included therein lipopolymers or glycolipids so as to present hydrophilic chains on the surface of the system. Particularly interesting lipid derivatives are ether lipids and ether  
10 lipids in which drug substance is covalently attached in the *sn*-2-position. Pharmaceutical compositions comprising the drug delivery system can be used in the targeted treatment of various disorders, e.g. cancer, infectious, and inflammatory conditions, etc., i.e. disorders and diseases associated with or resulting from increased levels of extracellular PLA<sub>2</sub> activity in the diseased tissue.